

REGISTRY REPORT

West Central Phoenix - West Grand Avenue Site

I. INTRODUCTION

This Site Registry Report for the West Central Phoenix (WCP) West Grand Avenue Site is prepared to meet the requirements established in Arizona Revised Statutes (A.R.S.) §49-287.01.

II. BACKGROUND

The West Central Phoenix (WCP) Water Quality Assurance Revolving Fund (WQARF) Site was placed in the WQARF Priority List in 1987. Data obtained after the site was placed on the WQARF list indicated three primary areas of VOC contamination: the “Main Plume Area,” the “WCP North Plume Site” and the “Southeast Area.” Subsequent investigations indicated that the “Main Plume Area” consisted of several separate plumes of contamination, including the WCP West Grand Avenue Site.

In 1989, ADEQ conducted soil and soil-gas sampling at the Layke Inc. facility. After this investigation, a release of TCE from a UST leak was suspected at the facility. Layke used TCE as a degreasing agent from 1975 until 1983. In 1990, Layke removed the UST and collected soil samples from the excavation and from seven soil borings completed near the former UST. TCE concentrations in the soil samples ranged from less than 1 milligram per kilogram (mg/Kg) to 230 mg/Kg.

In 1992, ADEQ installed a monitor well at Layke near the location of the former UST (well WCP-4). Groundwater samples from the well showed concentrations of TCE of up to 420 micrograms per liter (µg/L). Also in 1992, ADEQ installed monitor well WCP-8 upgradient of Layke, north of the Grand Canal. Analytical results of groundwater samples collected from WCP-8 did not indicate the presence of volatile organic compounds (VOCs) in the samples.

In 1992, Layke installed a Soil Vapor Extraction (SVE) system. The system is monitored to evaluate the amount of pollution being removed. Periodic progress reports are issued and ADEQ monitors the progress of the interim cleanup.

In 1995, two additional monitor wells (WCP-10 and WCP-11) were installed to further evaluate the lateral extent of groundwater contamination in the vicinity of Layke. Analytical results of groundwater samples collected from WCP-10, south of Layke and downgradient, contained maximum concentrations of TCE and 1,1-dichloroethylene (1,1-DCE) of 46 µg/L and 1 µg/L, respectively. Analytical results of groundwater samples collected from WCP-11, cross-gradient from Layke, did not indicate the presence of VOCs in the samples. In addition, recent analytical results from monitor well WCP-4 do not indicate the presence of VOCs in the samples.

III. PUBLIC HEALTH ISSUES

So far, testing in the WCP area indicates almost no chance of human contact with the contamination. Sampling shows that the contaminated soils are under asphalt parking lots or asphalt-surfaced storage areas, or under the concrete floors of buildings. Contaminated drinking water wells in the

area have been shut down.

Although there is very little chance people will have contact with the contaminants, the Arizona Department of Health Services (ADHS) will conduct Health Risk Assessments at sites where Remedial Investigations/Feasibility Studies (RI/FSS) are being conducted to evaluate potential health risks. The contaminants found in the groundwater in the WCP area and at the WCP West Grand Avenue Site are classified as probable human carcinogens because some studies have shown they cause cancer in some animal species.

IV. E&E SCORE

Based on the most current information, the current E&E score for the WCP West Grand Avenue Site is 17.

V. LIMITATIONS

This Site Registry Report (SRR) is based upon information available as of the date shown. The SRR is intended as a historical document meeting the public notification requirements of A.R.S. § 49-287.01 (B) and (D). Site boundaries depicted on the attached Site Boundary Map represent ADEQ's interpretation of data available at the time the map was constructed. The map is intended to provide the public with basic information as to the estimated geographic extent of known contamination as of the date of the SRR. The actual extent of contamination may be different. Therefore the geographic boundaries for this site may change in the future as new information becomes available.

An updated SRR and associated Site Boundary Map will not be issued. As new information becomes available it will be made available for public review through placement in the public file.